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(71) Applicant: **MATSUSHITA ELECTRIC IND CO LTD**

(72) Inventor: **YOSHIBA HARUMINE**

(54) MULTIPLEX TRANSMISSION DEVICE

(57) Abstract:

PURPOSE: To efficiently multiplex and transmit input information whose input speed varies independently for every channel.

CONSTITUTION: The input information of each input channel 1 is held in an incoming line buffer 2, and the length of the held information of each channel is counted by a channel control part 3, and the information of each channel is read out by actuating the read-out of the number of times corresponding to this count value for each incoming line buffer 2 by a multiplex control part 6, and a multiplex frame consisting of an information part in which this information of each channel is arrayed and a header part in which the information length of each channel is shown is constituted. Then, a fixed length packet flow is generated from this mul-

tiplex frame and is transmitted to a receiving part 16 by a communication control part 7, and the multiplex frame is re-constituted from the received fixed length packet by a line receiving part 9. Thus, this multiplex frame is separated into the information of each channel by a demultiplexing part 10, and this information is distributed to each corresponding output channel 13.

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